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(71)Applicant : HOKURIKU SEIYAKU CO LTD

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(72)Inventor : ITO YASUO
 KATO HIDEO
 YASUDA SHINGO
 KATO NORIYUKI
 IWASAKI NOBUHIKO
 NISHINO HIROYUKI
 TAKESHITA MAKOTO

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(54) HYDRATE CRYSTAL AND PRODUCTION THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new dihydrate crystal having antihistaminic and antiallergic activity, thus useful for treating and/or preventing bronchial asthma and allergic rhinitis, etc.

SOLUTION: This new dihydrate crystal is a 3-[4-(8-fluoro-5,11-dihydrobenz[b]oxepino[4,3-b]pyridin-11-ylidene) piperidino]propionic acid dihydrate crystal. This crystal pref. has high-intensity diffraction peaks at diffraction angle 2θ of about 4.2°, 17.0°, and 21.3° but virtually has no high-intensity diffraction peaks at about 11.5°, 19.2°, and 22.4° in its powder X-ray diffraction pattern. This dihydrate crystal is obtained by treating a crystalline substance containing the anhydrous crystal of the above compound with hydrous acetone followed by drying and then humidification.

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